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International Testing Laboratories, Inc.

Materials Testing and Consulting Engineers

578-582 MARKET STREET
NEWARK, N. J., 07105
MITCHELL 2-4772-3-4

BRANCH OFFICE
407 S. DEARBORN STREET
CHICAGO 5, ILLINOIS
WABASH 2-6620
CABLE ADDRESS: INTEL

REPORT OF TEST

No. 297632 DATE Jan. 11, 1966

From United States Mineral Products Company
Stanhope, New Jersey 07874

BOND STRENGTH OF
CAFCO BLAZE-SHIELD TYPE D, UNTAMPED (NO ADHESIVE USED)

Administrative Data

1.0 PURPOSE OF TEST: To determine the bond strength of CAFCO BLAZE-SHIEDL Type D untamped, applied without adhesive on Uncoated, Shop Coated and Galvanized steel.

2.0 MANUFACTURER: U. S. Mineral Products Company, Stanhope, New Jersey

3.0 MANUFACTURER'S TYPE OR MODEL NO.: CAFCO BLAZE-SHIELD Type D applied 3/4" thick untamped to steel (no adhesive used)

4.0 DRAWING, SPECIFICATION OR EXHIBIT: ASTM C-297

5.0 QUANTITY OF ITEMS TESTED: Three (3) 6" x 6" steel plates

6.0 SECURITY CLASSIFICATION OF ITEMS: Unclassified

7.0 DATE OF TEST COMPLETION: January 3, 1966

8.0 TEST CONDUCTED BY: International Testing Laboratories, Inc.

9.0 DISPOSITION OF SPECIMENS: Returned to U. S. Mineral Products Co.

10.0 ABSTRACT: The tests was conducted in accordance with the referred specificati and the results are as follows:

Galvanized Steel	:	140 psf
Uncoated Steel	:	120 psf
Shop Coated Steel	:	112 psf
Average Value	:	124 psf

To

The liability of the International Testing Laboratories, Inc. with respect to the services charged for herein, shall in no event exceed the amount of the invoice.

Our reports pertain to the sample tested only. Information contained herein is not to be reproduced, except with our permission.

INTERNATIONAL TESTING LABORATORIES, INC.
PA LAW DEPARTMENT
58883

ITL 122 2500 9-64

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WABASH 2-4610
CABLE ADDRESS: INTEL

REPORT OF TEST

No. 297632 DATE Jan. 11, 1966

From Unitdd States Mineral Products Company
Stanhope, New Jersey

Test Procedure:

The Bond Strength Test was conducted in accordance with ASTM C-297. The Samples submitted consisted of CAFCO BLAZE-SHIELD TYPE D applied 3/4" thick untamped to three (3) 6" x 6" steel plates (no adhesive used) - one Galvanized, one Uncoated and one Shop Coated with paint. A 6" x 6" metal plate with a hook on back was adhered to the sprayed fiber face with epoxy adhesive after the fiber had been air dried to equilibrium.

The sample was place horizontally and the steel plate was pulled from the fiber mat.

Test Results:

The Bond Strength Test was conducted in accordance with the Test procedure of this report and the breaking loads were as follows:

Galvanized Steel	:	35 lbs.
Uncoated Steel	:	30 lbs.
Shop Coated Steel	:	28 lbs.
Average Value	:	31 lbs.

Failure occurred within and near the center of the fiber mass resulting in an Average Bond Strength of 124 psf.

Since the material weighed 0.92 lbs. per square foot(14.8 lbs. per cubic foot) the Average Bond Strength is 152 times the weight of the applied fiber, while the Minimum Bond Strength is 122 times the weight of the applied fiber.

To United States Mineral Products Company
Stanhope, New Jersey

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